

Abstract

A system, method is provided for engineering, deploying, and/or maintaining a network such as a communications network. A computer, and application software, support a method of recording the characteristics of network components and their geographic locations relative to a map. Graphical and tabular display of the stored information, along with automatic functions for calculating system attributes such as power supply load and signal strength throughout the network are included. Networks including various transmission media, such as coaxial cable, optical fiber, and wireless are supported. Automatic wireless signal strength data collection, and fiber by fiber optical cable tracking are among further features of the invention.

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